

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

Attachment No. 1

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PROPOSED STATE STANDARD,
TITLE 8, DIVISION 1, CHAPTER 4

TITLE 8: Division 1, Chapter 4, Subchapter 4. Construction Safety Orders,
Article 3. General

Amend Section 1512 with new note as follows:

§1512. Emergency Medical Services.

(i) Written Plan.

NOTES:

~~1.~~ The provisions of Section 1512 are not intended to exclude immediate treatment of minor injuries which do not require the services of a physician.

~~2. Medical services and first aid provisions for electrical workers shall also comply with Sections 2320.10 (Low Voltage) and 2940.10 (High Voltage) as applicable.~~

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

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PROPOSED STATE STANDARD,
TITLE 8, DIVISION 1, CHAPTER 4

TITLE 8: Division 1, Chapter 4, Subchapter 5. Electrical Safety Orders,
Group 1. Low-Voltage Electrical Safety Orders

Amend Section 2320.10 as follows:

§2320.10. Medical Services and First Aid – Additional Requirements for Power Generation, Transmission and Distribution.

(a) Application. This section applies to:

(1) Power generation, transmission, and distribution installations, including, but not limited to, related equipment for the purpose of communication or metering, which are accessible only to qualified employees.

The types of installations covered by this section include the generation, transmission, and distribution installations of electric utilities, as well as equivalent installations of industrial establishments. Supplementary electric generating equipment that is used to supply a workplace for emergency, standby, or similar purposes only is covered under other parts of these Orders.

(2) Other installations at an electric power generating station, as follows:

a. Fuel and ash handling and processing installations, such as coal conveyors,

b. Water and steam installations, such as penstocks, pipelines, and tanks, providing a source of energy for electric generators, and

c. Chlorine and hydrogen systems.

(3) Test sites where electrical testing involving temporary measurements associated with electric power generation, transmission, and distribution is performed in laboratories, in the field, in substations, and on lines, as opposed to metering, relaying, and routine line work.

(4) Work on, or directly associated with, the installations covered in subsections (a)(1) through (a)(3) and

(5) Line-clearance tree-trimming operations.

NOTE: See High-Voltage Electrical Safety Orders, Article 38, for additional requirements for line-clearance tree-trimming operations.

(b) This Section 2320.10 does not apply to:

(1) Construction work.

(2) Electrical installations other than power generation, transmission and distribution.

(3) Electric utilization systems.

(4) Premises wiring.

(c) The employer shall provide medical services and first aid as required in General Industry Safety Orders, Section 3400. In addition to the requirements of Section 3400, the following requirements also apply:

(1) ~~(a)~~ Cardiopulmonary resuscitation and first aid training. When employees are performing work on or associated with exposed lines or equipment energized at 50 volts or more, persons trained in first aid including cardiopulmonary resuscitation (CPR) shall be available as follows:

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a. ~~(1)~~ For field work involving two or more employees at a work location, at least two trained persons shall be available.

Exception: Only one trained person need be available if all new employees are trained in first aid, including CPR, within 3 months of their hiring dates.

b. ~~(2)~~ For fixed work locations such as generating stations, the number of trained persons available shall be sufficient to ensure that each employee exposed to electric shock can be reached within 4 minutes by a trained person.

Exception: Where the existing number of employees is insufficient to meet this requirement (at a remote substation, for example), all employees at the work location shall be trained.

(2) ~~(b)~~ First aid supplies. First aid supplies required by Section 3400(c) shall be placed in weatherproof containers if the supplies could be exposed to the weather.

(3) ~~(c)~~ First aid kits. Each first aid kit shall be maintained, shall be readily available for use, and shall be inspected frequently enough to ensure that expended items are replaced but at least once per year.

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

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PROPOSED STATE STANDARD,
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TITLE 8: Division 1, Chapter 4, Subchapter 5. Electrical Safety Orders,
Group 2. High-Voltage Electrical Safety Orders

Amend Section 2940.10 as follows:

§2940.10. Medical Services and First Aid – Additional Requirements for Power Generation, Transmission and Distribution.

(a) Application. This section applies to:

(1) Power generation, transmission, and distribution installations, including, but not limited to, related equipment for the purpose of communication or metering, which are accessible only to qualified employees.

The types of installations covered by this section include the generation, transmission, and distribution installations of electric utilities, as well as equivalent installations of industrial establishments. Supplementary electric generating equipment that is used to supply a workplace for emergency, standby, or similar purposes only is covered under other parts of these Orders.

(2) Other installations at an electric power generating station, as follows:

a. Fuel and ash handling and processing installations, such as coal conveyors,

b. Water and steam installations, such as penstocks, pipelines, and tanks, providing a source of energy for electric generators, and

c. Chlorine and hydrogen systems.

(3) Test sites where electrical testing involving temporary measurements associated with electric power generation, transmission, and distribution is performed in laboratories, in the field, in substations, and on lines, as opposed to metering, relaying, and routine line work.

(4) Work on, or directly associated with, the installations covered in subsections (a)(1) through (a)(3) and

(5) Line-clearance tree-trimming operations.

NOTE: See Article 38, for additional requirements for line-clearance tree-trimming operations.

(b) This Section 2940.10 does not apply to:

(1) Construction work.

(2) Electrical installations other than power generation, transmission and distribution.

(3) Electric utilization systems.

(4) Premises wiring.

(c) The employer shall provide medical services and first aid as required in General Industry Safety Orders, Section 3400. In addition to the requirements of Section 3400, the following requirements also apply:

(1) ~~(a)~~ Cardiopulmonary resuscitation and first aid training. When employees are performing work on or associated with exposed lines or equipment energized at 50 volts or more, persons trained in first aid including cardiopulmonary resuscitation (CPR) shall be available as follows:

a. ~~(1)~~ For field work involving two or more employees at a work location, at least two trained persons shall be available.

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EXCEPTION: Only one trained person need be available if all new employees are trained in first aid, including CPR, within 3 months of their hiring dates.

b. ~~(2)~~ For fixed work locations such as generating stations, the number of trained persons available shall be sufficient to ensure that each employee exposed to electric shock can be reached within 4 minutes by a trained person.

EXCEPTION: Where the existing number of employees is insufficient to meet this requirement (at a remote substation, for example), all employees at the work location shall be trained.

(2) ~~(b)~~ First aid supplies. First aid supplies required by Section 3400(c) shall be placed in weatherproof containers if the supplies could be exposed to the weather.

(3) ~~(e)~~ First aid kits. Each first aid kit shall be maintained, shall be readily available for use, and shall be inspected frequently enough to ensure that expended items are replaced but at least once per year.

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.